



United States Air Force

Scientific Advisory Board

Dr. Mark J. Lewis

University of Maryland



EDUCATION:

Massachusetts Institute of Technology

Sc.D., Aeronautics and Astronautics, 1988

S.M., Aeronautics and Astronautics, 1985

S.B., Aeronautics and Astronautics, 1984

S.B., Earth and Planetary Science, 1984

WORK EXPERIENCE:

University of Maryland, College Park, MD

Professor, 1999-Present

Co-Director, University of Maryland Small Smart Systems Center, 1998-Present

Director, Center for Hypersonic Education and Research, 1993-Present

Associate Professor, 1994-1999

Assistant Professor, 1988-1994

Massachusetts Institute of Technology, Cambridge, MA

Research Assistant, Department of Aeronautics and Astronautics, 1984-1988

AREAS OF EXPERTISE:

High Mach number aerodynamics, applied computational fluid dynamics, high-speed aircraft design and optimization, advanced propulsion (airbreathing and rocket) and propulsion integration, advanced fuels and combustion modeling, rarefied aerodynamics, aerodynamic maneuvering and reentry.

PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS:

Associate Fellow of the American Institute of Aeronautics and Astronautics, AIAA Advanced Propulsion National Technical Committee, AIAA Terrestrial Energy National Technical Committee, AIAA Hypersonic Technologies Working Group; American Society of Mechanical Engineers, Propulsion National Technical Committee.
